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CLAIMS

Please amend the claims as follows:

Listing of Claims

1. (Currently Amended) A method of transferring a file to or from a server past a firewall, comprising the steps of:

 accessing a web site behind the firewall, the web site having a web page including an applet, and the web site associated with the server;

 receiving the web page and the applet from the web site;

 sending the applet to an application at a file transfer gateway; and

 transferring the file between the file transfer gateway and the server through the firewall;

 wherein the file is pushed from the server through the firewall to the file transfer gateway interrupting the transferring of said file; and restarting at some midpoint said transferring of said file between the file transfer gateway and the server through the firewall.
2. (Original) A method as in claim 1, wherein the web site is at a collaboration manager separate from the server.
3. (Original) A method as in claim 1, wherein the applet is signed responsive to authorization of a user accessing the web site.

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4. (Original) A method as in claim 1, wherein accessing the web site and receiving the web page and the applet are performed using a web browser.
5. (Original) A method as in claim 4, wherein the web browser and the file transfer gateway are implemented on a client.
6. (Original) A method as in claim 1, wherein the application at the file transfer gateway is a file transfer service implemented on a client or edgebox.
7. (Original) A method as in claim 6, wherein transferring the file between the file transfer gateway and the server is performed over a virtual channel between the file transfer service at the file transfer gateway and a file transfer adapter at the server.
8. (Original) A method as in claim 1, wherein the file is transferred in chunks.
9. (Previously presented) A method as in claim 8, wherein the chunks are transferred using a basic hypertext transport mechanism.
10. (Original) A method as in claim 1, further comprising the step of encrypting, decrypting, or performing some other operation on the file before or after transferring the file.

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11. (Currently Amended) A method of transferring a file to or from a server past a firewall, comprising the steps of:

authenticating access by a requestor to a web site behind the firewall, the web site having a web page including an applet, and the web site associated with the server;

sending the web page and the applet to the requestor;

receiving a request from the requestor to transfer the file to or from the requestor; and

transferring the file between the file transfer gateway and the server through the firewall;

wherein the file is pushed from the server through the firewall to the file transfer gateway ~~interrupting said transferring of said file; and restarting at some midpoint said transferring of said file between the file transfer gateway and the server through the firewall.~~

12. (Original) A method as in claim 11, wherein the requestor is a browser or edgebox.
13. (Original) A method as in claim 11, wherein the applet is signed responsive to authorization of the requestor.
14. (Original) A method as in claim 11, wherein the web site is at a collaboration manager separate from the server.

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15. (Original) A method as in claim 11, wherein transferring the file between the file transfer gateway and the server is performed over a virtual channel between a file transfer service at the file transfer gateway and a file transfer adapter at the server.
16. (Original) A method as in claim 11, wherein the file is transferred in chunks.
17. (Original) A method as in claim 16, wherein the chunks are transferred using a basic hypertext transport mechanism.
18. (Original) A method as in claim 11, further comprising the step of encrypting, decrypting, or performing some other operation on the file before or after transferring the file.
19. (Currently Amended) A method of downloading a file from a server past a firewall, comprising the steps of:
 - registering with the server behind the firewall;
 - polling the server for files to be downloaded; and
 - downloading the file from the server through the firewall over a virtual channel;
 - wherein the file is transferred in chunks using a basic hypertext transport mechanism;
 - and

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~~wherein the file is pushed from the server through the firewall interrupting said downloading of said file; and restarting at some midpoint said downloading of said file from the server through the firewall over a virtual channel.~~

20. (Original) A method as in claim 19, further comprising the step of encrypting, decrypting, or performing some other operation on the file before or after transferring the file.

21. (Currently Amended) A method of downloading a file from a server past a firewall, comprising the steps of:

receiving a registration at the server behind the firewall;

receiving polling of the server for files to be downloaded; and

downloading the file from the server through the firewall over a virtual channel;

wherein the file is transferred in chunks using a basic hypertext transport mechanism;

~~wherein the file is pushed from the server through the firewall interrupting downloading of said file; and restarting at some midpoint said downloading of said file from the server through the firewall over a virtual channel.~~

22. (Original) A method as in claim 21, further comprising the step of encrypting, decrypting, or performing some other operation on the file before or after transferring the file.